

1 **IN THE CLAIMS**

2 This listing of claims will replace all prior versions, and listings, of claims in the subject
3 application:

4
5 **48. (Currently Amended)** A solid state standard comprising:

6 glass coated with a material, said material differing in concentration from said glass

7 linearly in a [[20]] standard curve;

8 said material having an optical density which can be read in an absorbion microplate

9 reader; and

10 said material being such that said reader can read a concentration of a sample at

11 standard curve points.

12
13 **49. (Original)** A solid state standard according to claim 48, wherein said standard comprises coated
14 optical quartz.

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16 **50. (Original)** A solid state standard according to claim 48, wherein said material is selected from the
17 group consisting of a known fluorescent compound, a known absorbent compound or a known
18 spectroscopic compound.

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20 **51. (Original)** A solid state standard according to claim 48, wherein said standard is for use with
21 fluorescent spectroscopy.

1 52. **(Original)** A solid state standard according to claim 48, wherein said standard is for use with
2 absorbent spectroscopy.

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4 53. **(Original)** A solid state standard according to claim 48, wherein said standard is for use with ultra
5 violet spectroscopy.

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7 54. **(Original)** A solid state standard according to claim 48, wherein said standard is for use with
8 visible spectroscopy.

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10 55. **(Original)** A solid state standard according to claim 48, wherein said standard is for use with
11 Infra-red spectroscopy.

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13 56. **(Original)** A solid state standard according to claim 48, wherein said standard is for use with laser
14 spectroscopy.

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16 57. **(Original)** A solid state standard according to claim 48, wherein said standard is for use with
17 luminescence spectroscopy.

1 58. **(Original)** A solid state standard according to claim 48, wherein said standard is manufactured by
2 a method for coating glass comprising the steps of:

3 applying a layer of a first absorbent material;

4 applying a layer of a second absorbent material, said second absorbent material being

5 different from said first absorbent material; and

6 applying a layer of a third absorbent material;

7 wherein each said layer is baked between each said application.

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9 59. **(Original)** A solid state standard according to claim 58, wherein said method is used to coat
10 optical glass.

11
12 60. **(Original)** A solid state standard according to claim 58, wherein said method is used to coat
13 optical quartz.

14
15 61. **(Original)** A solid state standard according to claim 58, wherein said layer is selected from a
16 group consisting of AgBr, AgCl, Al₂O₃, CdTe, Ge, Si, SiO₂, TiO₂, ZnS, and ZnSe.

17
18 62. **(Original)** A solid state standard according to claim 58, wherein said first absorbent material is
19 substantially similar to said third absorbent material.

1 **63. (Original)** A solid state standard according to claim 58, wherein said absorbent material has a
2 known absorption wavelength.

3
4 **64. (Original)** A solid state standard according to claim 58, wherein said baking takes place at
5 approximately at 250 degrees Centigrade.